



11 Publication number:

**0 299 428** A2

(12)

## **EUROPEAN PATENT APPLICATION**

(21) Application number: 88111134.8

② Date of filing: 12.07.88

(5) Int. Cl.4: G01N 33/543 , //C12Q1/68, G01N33/552,G01N33/52

Priority: 13.07.87 US 72459

Oate of publication of application: 18.01.89 Builetin 89/03

Designated Contracting States:
AT BE CH DE ES FR GB IT LI NL

7) Applicant: ABBOTT LABORATORIES

Abbott Park Illinois 60064(US)

2 Inventor: Ching, Shanfun 1014 Mayfair Drive Libertyville Illinois 60048(US) Inventor: Gordon, Julian 307 East Sheridan Road Lake Bluff Illinois 60044(US) Inventor: Billing, Patricia A. 903 Bidwell Drive Gurnee Illinois 60031(US)

(2) Representative: Modiano, Guido et al MODIANO; JOSIF, PISANTY & STAUB Modiano & Associati Baaderstrasse 3 D-8000 München 5(DE)

Process for immunochromatography with colloidal particles.

The present invention relates to improved specific binding assay methods, kits and devices utilizing chromatographically mobile specific binding reagents labelled with colloidal particles. Specific binding reagents labelled with colloidal particles such as gold and selenium may be subjected to rapid chromatographic solvent transport on chromatographic media by means of selected solvents and chromatographic transport facilitating agents. Further, impregnation of solid substrate materials with labile protein materials including colloidal particle and enzyme labelled reagents in the presence of meta-soluble proteins provides for the rapid resolubilization of such materials which have been dried onto such substrate materials.





Xerox Copy Centre